

| Ref # | Hits | Search Query  | DBs                 | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---------------------|------------------|---------|------------------|
| L1    | 4    | (US-4636897-\$ or US-5225953-\$ or US-6385008-\$).did. or (JP-01037703-\$).did.                     | USPAT; JPO          | OR               | ON      | 2005/01/19 11:47 |
| L2    | 159  | TRAPEZOIDAL WITH (magnetic adj pole)  | USPAT; JPO; DERWENT | OR               | ON      | 2005/01/19 11:48 |
| L3    | 8    | invert\$3 with TRAPEZOIDAL WITH (magnetic adj pole)   | USPAT; JPO; DERWENT | OR               | ON      | 2005/01/19 11:48 |
| S1    | 324  | 29/603.07, "603"".13-603.""16, 603"".18".ccls.  | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 12:54 |
| S2    | 5965 | 360/122-126,317.ccls.   | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:26 |
| S3    | 3395 | 451/5,41.ccls.  | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:26 |
| S4    | 5279 | 427/127,128.ccls.   | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:28 |
| S5    | 169  | 205/119,112.ccls.   | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:28 |
| S6    | 1257 | 216/39,41.ccls.   | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:34 |
| S7    | 126  | perpendicular adj magnetic adj head   | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:35 |
| S8    | 1064 | (perpendicular adj magnetic) with head  | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:35 |
| S9    | 5    | (29/603.07, "603"".13-603.""16, 603"".18".ccls.) and ((perpendicular adj magnetic) with head)       | USPAT; JPO; DERWENT | OR               | ON      | 2004/10/21 09:41 |
| S10   | 8    | ("5225953"   "5440530"   "5454158"   "5850326"   "6128166"   "6292329"   "6304415"   "6385008").PN. | USPAT               | OR               | ON      | 2004/10/21 09:38 |

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| S11 | 22   | ("4413297"   "4438471"  <br>"4546398"   "4649449"   "4672494"<br>  "4685014"   "4703380"  <br>"4745506"   "4764833"   "4809103"<br>  "4839761"   "4873599"  <br>"4899434"   "4974110"   "4982301"<br>  "5073836"   "5196976"  <br>"5991126"   "6195872"   "6226149"<br>  "6256864"   "6325947"  <br>"2002/0060879").PN. | USPAT                     | OR | ON | 2004/10/21 09:40 |
| S12 | 170  | 360/122-126,317.ccls. and<br>((perpendicular adj magnetic) with<br>head)  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:41 |
| S13 | 1056 | auxiliary adj magnetic adj pole   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:54 |
| S14 | 3817 | coupl\$3 adj layer  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:41 |
| S15 | 2977 | coil adj layer  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:41 |
| S16 | 0    | (auxiliary adj magnetic adj pole)<br>and (coupl\$3 adj layer) and (coil<br>adj layer)   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:42 |
| S17 | 2    | (auxiliary adj magnetic adj pole)<br>and (coupl\$3 adj layer)   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:42 |
| S18 | 106  | ((perpendicular adj magnetic) with<br>head) and (auxiliary adj magnetic<br>adj pole)  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:44 |
| S19 | 31   | (360/122-126,317.ccls. and<br>((perpendicular adj magnetic) with<br>head)) and (((perpendicular adj<br>magnetic) with head) and (auxiliary<br>adj magnetic adj pole))   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:43 |
| S20 | 0    | (coupl\$3 adj layer) and<br>((360/122-126,317.ccls. and<br>((perpendicular adj magnetic) with<br>head)) and (((perpendicular adj<br>magnetic) with head) and (auxiliary<br>adj magnetic adj pole)))   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:43 |
| S21 | 27   | 360/122-126,317.ccls. and (coupl\$3<br>adj layer)   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:43 |
| S22 | 4    | ((perpendicular adj magnetic) with<br>head) and (360/122-126,317.ccls.<br>and (coupl\$3 adj layer))   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:43 |
| S23 | 4285 | inorganic adj insulat\$3  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:44 |

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| S24 | 6     | ((perpendicular adj magnetic) with head) and (auxiliary adj magnetic adj pole)) and (inorganic adj insulat\$3)  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:44 |
| S25 | 24    | "4636897".URPN.   | USPAT                     | OR | ON | 2004/10/21 09:47 |
| S26 | 8     | ("4036723"   "4219854"   "4287544"   "4295173"   "4423451"   "4458280"   "4546398"   "4550353").PN.   | USPAT                     | OR | ON | 2004/10/21 09:49 |
| S27 | 85322 | coupl\$3 with layer   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:51 |
| S28 | 24    | (auxiliary adj magnetic adj pole) and (coupl\$3 with layer)   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:50 |
| S29 | 58309 | record\$3 adj head  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:50 |
| S30 | 14    | ((auxiliary adj magnetic adj pole) and (coupl\$3 with layer)) and (record\$3 adj head)  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:50 |
| S31 | 7     | ((auxiliary adj magnetic adj pole) and (coupl\$3 with layer)) and (record\$3 adj head)) and @ad<"20001226"  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 10:09 |
| S32 | 37607 | coupling with layer   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:51 |
| S33 | 2     | ((auxiliary adj magnetic adj pole) and (coupl\$3 with layer)) and (record\$3 adj head)) and @ad<"20001226") and (coupling with layer)                         | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:52 |
| S34 | 12    | (auxiliary adj magnetic adj pole) and (coupling with layer)   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:52 |
| S35 | 4     | ((auxiliary adj magnetic adj pole) and (coupling with layer)) and @ad<"20001226"  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:53 |
| S36 | 25    | (perpendicular adj magnetic adj head) and (auxiliary adj magnetic adj pole)   | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:53 |
| S37 | 23    | ((perpendicular adj magnetic adj head) and (auxiliary adj magnetic adj pole)) and @ad<"20001226"  | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:53 |
| S38 | 12    | ((perpendicular adj magnetic adj head) and (auxiliary adj magnetic adj pole)) and @ad<"20001226") and ((coupling adj layer) or (coupling magnetic adj layer)) | USPAT;<br>JPO;<br>DERWENT | OR | ON | 2004/10/21 09:54 |

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| S39 | 0     | ((perpendicular adj magnetic adj head) and (auxiliary adj magnetic adj pole)) and @ad<"20001226") and ((coupling adj layer) or (coupling adj magnetic adj layer)) | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 09:54 |
| S40 | 1805  | ((coupling adj layer) or (coupling adj magnetic adj layer))   | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 09:54 |
| S41 | 3     | (auxiliary adj magnetic adj pole) and (((coupling adj layer) or (coupling adj magnetic adj layer)))   | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 09:54 |
| S42 | 972   | sato-kiyoshi.in.  | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 10:08 |
| S43 | 10    | ((perpendicular adj magnetic) with head) and sato-kiyoshi.in.   | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 10:08 |
| S44 | 1     | ((perpendicular adj magnetic) with head) and sato-kiyoshi.in.) and @ad<"20001226"   | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 11:46 |
| S45 | 4     | (("4546398") or ("4873599")).PN.  | USPAT;<br>USOCR;<br>JPO;<br>DERWENT | OR | OFF | 2004/10/21 11:46 |
| S46 | 42782 | stepping adj motor  | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 12:54 |
| S47 | 1499  | (stepping adj motor) and "310"/\$.ccls.   | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 12:55 |
| S48 | 1663  | "310"/\$.ccls. and (rotor adj assembly)   | USPAT;<br>JPO;<br>DERWENT           | OR | ON  | 2004/10/21 12:56 |